

Question

The center of measurement and evaluation at the University of Bahrain decided to create an online evaluation system. The online system will be applied on the ITCS101 course. In this semester only three sections are opened. The maximum number of student in each section is five. Instructors whose teaching these sections are Dr.Ahmed, Dr.Khalid and Dr.Abdullah. Create the software using VB.NET 2005 to be used for this purpose.

➤ Solution Name: Your ID

Step1 (10 marks)

Design the interface as shown below.

- Three Radio buttons (rdbG, rdbA and rdbB) which are used to evaluate the instructor. Put the three radio button in a group.
- One combo box (cmbName) where the name of the instructor names are displayed. Initialize the combo box with the following instructor names, Dr.Ahmed, Dr.Khalid and Dr.Abdullah.
- One list box (lstresult) where the summary will be displayed.
- Two buttons (btnAdd and btnSummary) for Add and Summary. The summary button is disabled when the form is loaded.

Step 2 (10 marks)

- Define a structure, **EVX**, that consists of the following fields:
 - Instructor name, **Name**.
 - Array of size 5 for the student evaluation choices, **R**.
 - The number of students, **N**, whose answered the evaluation (initially =0).
- The rate for each choice is shown in the following table

Choice	Rate
Good	100
Average	60
Bad	0

- Define an array, **INST**, of size $\frac{4}{3}$ of EVX type.

Step 3 (10 marks)

Copy the instructor names from the **combo box** to the array INST.

Step 4 (10 marks)

Add the student choice and update the number of answered students when the student select instructor name and select one choice then click on **ADD** button.

Step 5 (10 marks)

Disable the **ADD** button if the selected instructor evaluated by all his students.

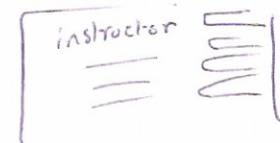
Step 6 (10 marks)

If all instructors have five answers, enable the **SUMMARY** button.

Step 7 (15 marks)

When the **SUMMARY** button is selected the name of the instructors with their average rates are displayed in the **list box** and the instructor with highest average rate is selected. Display the average rate as a word according to the following table

Rate value	Rate word
100 \geq to \leq 80	GOOD
80 $>$ to $>$ = 60	AVERAGE
$<$ 60	BAD



Good Luck

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